

Product datasheet for **SC333205**

SHISA5 (NM_001272082) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SHISA5 (NM_001272082) Human Untagged Clone
Tag: Tag Free
Symbol: SHISA5
Synonyms: SCOTIN
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC333205 representing NM_001272082.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGGGTTCGGAGCGACCTTGGCCGTTGGCCTGACCATCTTTGTGCTGTCTGTCGTCACATCATCATC  
TGCTTCACCTGCTCCTGCTGCTGCCCTTACAAGACGTGCCGCCGACCACGTCCGGTTGTCACCACCACC  
ACATCCACCCTGTGGTGCATGCCCTTATCCTCAGCCTCCAAGTGTGCCGCCAGCTACCCTGGACCA  
AGCTACCAGGGCTACCACACCATGCCGCCTCAGCCAGGGATGCCAGCAGCACCCTACCCAATGCAGTAC  
CCACCACCTTACCAGCCAGCCCATGGGCCACCGCCTACCACGAGACCCTGGCTGGAGGAGCAGCC  
GCGCCCTACCCGCCAGCCAGCCTCTTACAACCCGGCCTACATGGATGCCCCGAAGGGCCCTCTGA
```

Restriction Sites: Sgfl-Mlul
ACCN: NM_001272082
Insert Size: 414 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001272082.1](#)

RefSeq Size: 2042 bp

RefSeq ORF: 414 bp

Locus ID: 51246

UniProt ID: [Q8N114](#)

Cytogenetics: 3p21.31

Protein Families: Transmembrane

Protein Pathways: p53 signaling pathway

MW: 14.5 kDa

Gene Summary: This gene encodes a member of the shisa family. The encoded protein is localized to the endoplasmic reticulum, and together with p53 induces apoptosis in a caspase-dependent manner. Alternative splicing results in multiple transcript variants. Related pseudogenes of this gene are found on chromosome X. [provided by RefSeq, Apr 2016]
Transcript Variant: This variant (6) contains an alternate 5' terminal exon, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (d) has a distinct N-terminus and is shorter than isoform a.